| Index of Claims | Application N . | Applicant(s)  |  |  |  |  |  |  |
|-----------------|-----------------|---------------|--|--|--|--|--|--|
|                 | 10/028,442      | TAKAMORI ET A |  |  |  |  |  |  |
|                 | Examiner        | Art Unit      |  |  |  |  |  |  |
|                 | THUY V TRAN     | 2821          |  |  |  |  |  |  |

| , | R j cted | - | (Thr ugh num ral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | + | Restricted                     | ı | Interference | 0 | Objected |

| Cla   | im       | Date            |          |        |   |          |          |  | Claim Date                                       |              |      |       |          |                 | [        | Cla   | Date     |          |   |          |          |           |      |       |            |          |          |                |          |           |          |          |          |          |
|-------|----------|-----------------|----------|--------|---|----------|----------|--|--|--------------|------|-------|----------|-----------------|----------|---|----------|----------|---|----------|----------|-----------|------|-------|------------|----------|----------|----------------|----------|-----------|----------|----------|----------|----------|
| -     | al       | 4               |          |        |   |          |          |  |  |              |      | _     | a        |                 |          |   |          |          |   |          | -        |           |      | _     | <u>a</u>   |          |          |                |          |           |          |          |          |          |
| Final | Original | 012504          |          |        |   |          |          |  |  |              |      | Final | Original |                 |          |   |          |          |   | -        | -        |           |      | Final | Original   |          |          |                |          |           |          |          | ı        |          |
| ш     | ŏ        | 2               |          |        |   |          |          | l  |  |              |      | ш     | ō        |                 | ŀ        |   | l        |          |   | -        | -        | -         |      | щ     | ō          |          |          |                |          |           |          |          | - 1      |          |
| 1     | 1        | =               | $\dashv$ | _      | - | -        | ┢        | -  | $\vdash$   | ⊢            |      |       | 51       | $\vdash$        |          | -   | $\dashv$ | $\dashv$ | $\dashv$                                | $\dashv$ | $\dashv$ | ᅥ         |      |       | 101        | $\vdash$ | $\dashv$ | -              |          |           |          | -        | 一        |          |
| 2     | 2        | =               | -        |        | _ |          | $\vdash$ | -  | -  | H            |      |       | 52       | $\vdash$        | $\dashv$ | _   | $\neg$   | $\dashv$ | $\dashv$                                | +        | 十        | ᅥ         |      |       | 102        |          |          | _              |          |           |          |          | 一        | Ħ        |
| 3     | 3        | =               |          |        |   | _        |          |  | _  | $\vdash$     | 1    |       | 53       |                 | $\neg$   |   | $\neg$   | 寸        | T                                       | 寸        | 寸        | $\exists$ |      |       | 103        |          | $\neg$   |                |          |           |          |          | $\neg$   |          |
|       | 4        |                 |          |        | _ |          |          | Г  |  |              | 1.   |       | 54       |                 | $\Box$   |   |          | $\neg$   |   | $\neg$   | 丁        |           |      |       | 104        |          | $\Box$   |                |          |           |          | T        | T        | П        |
|       | 5        |                 |          |        |   |          |          |  |  |              | ]    |       | 55       |                 |          |   |          |          |   | $\Box$   |          |           |      |       | 105        |          |          |                |          |           |          |          |          |          |
|       | 6        |                 |          |        |   |          |          | L  |  |              | ]    |       | 56       |                 |          | $\Box$  |          | $\Box$   |   |          |          |           |      |       | 106        |          |          |                |          |           |          |          |          |          |
|       | 7        | Ш               |          |        |   |          | L        | L  | <u> </u>   | _            | ١    |       | 57       |                 | _        | _   | _        | _        | _                                       | 4        | _        | _         | :    |       | 107        |          | $\sqcup$ |                |          |           |          | _        | 凵        | Ц        |
|       | 8        | Ш               |          |        |   |          | _        |  | _  | <u> </u>     |      |       | 58       | Щ               |          | 4   |          | _        | 4                                       | 4        | 4        | 4         |      |       | 108        |          | $\Box$   | _              |          |           | Ш        | $\dashv$ | _        | $\dashv$ |
|       | 9        | Ш               | -        |        |   | $\vdash$ | <u> </u> | L_   | <u> </u>   | <u> </u>     |      |       | 59       | $\dashv$        |          | 4   | -        | $\dashv$ |   | +        | 4        | 4         | .    |       | 109        |          |          | _              |          |           | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
|       | 10       | Ш               | $\dashv$ |        |   |          | _        | ⊢  | <u> </u>   | <del> </del> |      |       | 60       | $\dashv$        | $\vdash$ | -   |          | -        | +                                       | +        | $\dashv$ | $\dashv$  |      |       | 110<br>111 |          | $\dashv$ |                | Н        | _         |          | $\dashv$ | $\dashv$ | $\dashv$ |
|       | 11       |                 |          |        |   | H        | <u> </u> | ⊢  | ļ.   | $\vdash$     |      |       | 61<br>62 | $\vdash$        | -        | -   | $\dashv$ | $\dashv$ | +                                       | +        | -+       | $\dashv$  | .    | _     | 112        | -        |          |                |          |           | -        | -        | $\dashv$ | $\dashv$ |
|       | 12       | $\vdash$        |          | -      | _ | —        | -        | $\vdash$   | $\vdash$   | -            |      |       | 63       | $\vdash$        | $\dashv$ | $\dashv$  | $\dashv$ | ᆉ        | $\dashv$                                | +        | $\dashv$ | $\dashv$  |      |       | 113        |          | $\vdash$ | _              | Н        | -         | $\vdash$ | -        | $\dashv$ | $\dashv$ |
|       | 14       | $\vdash$        | $\vdash$ | _      | _ | -        | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$     |      |       | 64       | $\vdash \vdash$ | $\dashv$ | $\dashv$  | -        | $\dashv$ | +                                       | +        | $\dashv$ | $\dashv$  |      |       | 114        |          | $\vdash$ |                | $\vdash$ | $\dashv$  | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|       | 15       | Н               | $\dashv$ |        | _ | $\vdash$ | $\vdash$ | $\vdash$   | -  | -            | ļ    |       | 65       | $\vdash$        | +        | ᅱ   | 一        | $\dashv$ | $\dashv$                                | +        | 十        | ᅱ         | ·'   |       | 115        | Н        | $\vdash$ |                | Н        | $\vdash$  | $\vdash$ |          | $\dashv$ | $\dashv$ |
|       | 16       | Н               | -        |        | _ |          | -        | $\vdash$   | $\vdash$   | $\vdash$     | ľ    |       | 66       | Н               |          | 7   |          | $\dashv$ | 十                                       | ┪        | 十        | $\neg$    | :    |       | 116        |          |          |                |          |           | Н        | $\dashv$ | $\dashv$ | П        |
|       | 17       | Н               |          |        | _ |          | <u> </u> |  | <del>                                     </del> |              |      |       | 67       | Н               |          | 寸   | $\dashv$ | 寸        | 1                                       | ┪        | 寸        | ┪         |      |       | 117        | _        |          |                |          |           |          | $\dashv$ | $\dashv$ | $\sqcap$ |
|       | 18       |                 |          |        |   |          | Т        | $\vdash$   | <del>                                     </del> |              |      |       | 68       |                 | $\Box$   | ヿ   | $\neg$   | 寸        | 7                                       | 1        | 寸        |           |      |       | 118        |          |          |                |          |           |          |          | ヿ        | П        |
|       | 19       | П               |          |        |   |          | Г        |  | Ī  |              |      |       | 69       |                 |          |   |          |          |   |          |          |           |      |       | 119        |          |          |                |          |           |          | $\neg$   | $\Box$   | П        |
|       | 20       |                 |          |        |   |          |          |  |  |              |      |       | 70       |                 |          |   |          |          |   |          | $\Box$   |           | . [  |       | 120        |          |          |                |          |           |          |          |          |          |
|       | 21       |                 |          |        |   |          |          |  |  |              |      |       | 71       |                 |          |   |          |          |   |          |          |           |      |       | 121        |          |          |                |          |           |          | $\perp$  | _        | Ш        |
|       | 22       |                 |          |        |   |          | <u> </u> |  |  | <u>_</u>     | ŀ    |       | 72       |                 |          | _   | _        | _        | 4                                       | 4        | _        |           |      |       | 122        |          | $\Box$   |                |          |           |          | _        | $\dashv$ | Ц        |
|       | 23       |                 | $\Box$   | _      |   |          | <u> </u> |  |  | _            |      |       | 73       |                 | $\dashv$ | $\dashv$  | _        | _        | 4                                       | _        | 4        | _         |      |       | 123        |          | _        | _              | Ш        |           | Щ        | $\dashv$ | _        | $\dashv$ |
|       | 24       | Ш               | _        | _      |   | _        | <u> </u> | _  |  |              | ļ ļ  |       | 74       |                 | $\dashv$ | -   | -        | -        | 4                                       | 4        | 4        | _         | - }  |       | 124        |          |          | $\blacksquare$ | $\vdash$ |           | Н        | $\dashv$ | -        | _        |
|       | 25       | Н               | -        |        |   | _        | <u> </u> | <u> </u>   | $\vdash$   |              |      |       | 75<br>70 | Н               |          |   |          | $\dashv$ | $\dashv$                                | +        | +        | -         | . }  |       | 125        |          | -        | -              | _        |           | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|       | 26<br>27 | -               | $\dashv$ |        |   |          | _        | -  | -  | _            |      |       | 76<br>77 | $\vdash$        | -        | $\dashv$  | $\dashv$ | $\dashv$ | +                                       | +        | +        | $\dashv$  | . •  |       | 126<br>127 |          | $\dashv$ | -              | -        | _         | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
|       | 28       | Н               | -        | -      |   |          | _        | -  | -  | _            |      |       | 78       | $\dashv$        | -        | -+  | $\dashv$ | $\dashv$ | $\dashv$                                | +        | $\dashv$ | ᅱ         |      |       | 128        |          | $\dashv$ |                | -        |           |          |          | $\dashv$ | $\dashv$ |
|       | 29       | Н               | $\dashv$ | -      |   | -        |          | $\vdash$   | $\vdash$   | $\vdash$     |      |       | 79       | $\dashv$        | $\dashv$ | ┪   | $\dashv$ | $\dashv$ | $\dashv$                                | +        | $\dashv$ | $\dashv$  | *    |       | 129        |          | -        |                |          |           |          | +        | 一        | $\dashv$ |
|       | 30       | Н               | $\neg$   | _      |   |          |          |  |  | ┢┈           |      |       | 80       | $\dashv$        | $\dashv$ | 7   | 7        |          | $\top$                                  | 1        | +        | _         | .    |       | 130        |          | $\neg$   |                |          |           |          | 十        | ヿ        | $\dashv$ |
|       | 31       | H               | $\neg$   |        |   |          |          |  |  |              | .    |       | 81       |                 |          | 寸   | $\dashv$ | $\neg$   | $\top$                                  | 十        | 7        |           | .    |       | 131        |          | T        |                | П        |           | $\Box$   | 寸        | ヿ        | ヿ        |
|       | 32       | П               |          |        |   |          |          |  |  |              |      |       | 82       |                 |          | ヿ   | $\neg$   | $\neg$   |   |          |          |           | . [  |       | 132        |          |          |                |          |           |          |          |          |          |
|       | 33       |                 |          |        |   |          |          |  |  |              | .    |       | 83       |                 |          |   | $\Box$   |          |   | $\perp$  | $\Box$   |           | : [  |       | 133        |          |          |                |          |           |          |          | $\Box$   |          |
|       | 34       |                 |          |        |   |          |          | L.   |  |              |      |       | 84       |                 |          | _   | $\perp$  | _        | $\perp$                                 | _        | _        |           | ٠ إ  |       | 134        |          |          |                |          |           |          | _        |          | _        |
|       | 35       | Ш               | _        | _      |   | Щ        | $\sqcup$ | <u> </u>   | Ш  |              |      |       | 85       | Щ               | _        | _   |          |          | _                                       | _        | 4        | _         | ا "  |       | 135        |          | _        |                | Ш        |           | Ш        | _        |          | $\Box$   |
|       | 36       | Ш               |          | _      |   |          | _        |  | Ш  |              |      |       | 86       |                 | $\dashv$ | 4   | _        | _        | $\perp$                                 | 4        | 4        | _         |      |       | 136        |          | _        | _              |          |           |          | _        | _        | $\dashv$ |
|       | 37       | Щ               |          | _      | _ |          | ļ.,      | <u> </u>   | Ш  | <u> </u>     |      |       | 87       | Щ               | -        | 4   |          |          | -                                       | 4        | 4        | _         | ļ    |       | 137        |          | _        | _              |          | _         | $\sqcup$ | _        | 4        | $\dashv$ |
|       | 38       | $\vdash \vdash$ |          | -      | _ | Щ        | <u> </u> |  |  | _            |      |       | 88       | $\dashv$        | $\dashv$ | -   |          |          |   | +        | +        | $\dashv$  |      |       | 138        | _        | -        | 4              | $\vdash$ | -         | $\vdash$ | -        | -        | $\dashv$ |
|       | 39       | $\vdash$        | $\dashv$ | _      | _ |          | _        |  | $\vdash$   | <u> </u>     |      |       | 89<br>90 | $\dashv$        | $\dashv$ | 4   | $\dashv$ | $\dashv$ | $\dashv$                                | +        | +        | ᅴ         | :    |       | 139<br>140 | $\vdash$ |          | $\dashv$       | $\vdash$ |           | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|       | 40<br>41 | $\vdash \vdash$ | $\dashv$ | -      |   | $\vdash$ | $\vdash$ | $\vdash$   |  | -            |      |       | 91       | $\dashv$        | $\dashv$ | +   | -        | $\dashv$ | +                                       | +        | +        | ᅱ         | - }  |       | 141        | $\vdash$ |          | -              | $\vdash$ | -         | Н        | $\dashv$ | $\dashv$ | $\dashv$ |
|       | 42       | $\vdash \vdash$ | $\dashv$ | -      |   | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   | -            |      |       | 92       | $\dashv$        | $\dashv$ | +   | -        | $\dashv$ | $\dashv$                                | +        | +        | ᅱ         |      |       | 142        | -        |          | $\dashv$       | -        | -         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|       | 43       | $\vdash$        | -        | -      |   | -        |          |  | $\vdash$   | _            |      |       | 93       | $\dashv$        | $\dashv$ | +   | -        | 十        | $\dashv$                                | +        | $\dashv$ | $\dashv$  | 7. ° |       | 143        |          | $\dashv$ | $\dashv$       | -        | -         |          | +        | $\dashv$ | $\dashv$ |
|       | 44       | H               |          | $\neg$ | Н |          | $\vdash$ |  | $\vdash$   | $\vdash$     |      |       | 94       |                 | $\dashv$ | 7   | _        | -+       | $\dashv$                                | +        | 十        | ᅦ         |      |       | 144        |          | 寸        | $\dashv$       |          | $\exists$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|       | 45       | $\Box$          |          | 7      |   | $\vdash$ |          | П  |  | Т            |      |       | 95       | $\Box$          | $\neg$   | 7   | $\neg$   | 一        | $\dashv$                                | $\top$   | ヿ        | $\dashv$  | 5    |       | 145        | П        |          | T              |          | П         |          |          | $\neg$   | $\neg$   |
|       | 46       |                 | $\Box$   |        |   |          |          |  |  |              |      |       | 96       |                 |          | J   |          |          |   | ╧        | ]        |           |      |       | 146        |          |          |                |          |           |          |          | $\Box$   | $\Box$   |
|       | 47       |                 | $\Box$   |        |   |          |          |  |  |              |      |       | 97       |                 | $\Box$   |   | J        |          | $\Box$                                  |          |          |           |      |       | 147        |          |          |                |          |           |          | J        | $\Box$   |          |
|       | 48       | $\Box$          |          |        |   |          |          | 匚  |  |              |      |       | 98       |                 | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\Box$   | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | Ţ        | I        |           | . [  |       | 148        |          |          |                |          |           |          | $\Box$   |          | $\Box$   |
|       | 49       | Ш               |          |        |   | Ц        |          |  | Ш  | L.           |      |       | 99       | $\sqcup$        | $\perp$  | _[  | $\bot$   | $\bot$   | _                                       | $\perp$  | $\perp$  | $\Box$    | [    |       | 149        |          |          |                | Ш        |           | $\Box$   | _[       | $\Box$   | $\Box$   |
|       | 50       | Ш               |          |        |   |          |          | $ldsymbol{ld}}}}}}$ | لــا   | L            | ۱. ا |       | 100      | Ш               |          |   | $\perp$  | $\perp$  | 丄                                       |          | 丄        | ╝         | [    |       | 150        |          | $\Box$   |                |          |           | $\Box$   | $\perp$  | $\Box$   |          |